

APPENDIX X TO SUBPART B OF PART
430—UNIFORM TEST METHOD FOR
MEASURING THE ENERGY CONSUMPTION
OF DEHUMIDIFIERS

NOTE: Prior to the compliance date for any amended energy conservation standards that incorporate standby mode and off mode energy consumption, manufacturers may use either Appendix X or Appendix X1 to certify compliance with existing DOE energy conservation standards and to make any representations related to energy consumption of dehumidifiers, with the following exception. If the compliance date is after April 29, 2013, manufacturers that make representations related to standby mode and off mode energy consumption must use Appendix X1 for any representations made after April 29, 2013 of the energy consumption of these products, consistent with the requirements of 42 U.S.C. 6293(c)(2).

After the compliance date for any amended energy conservation standards that incorporate standby mode and off mode energy consumption, all dehumidifiers shall be tested using the provisions of Appendix X1 to certify compliance with amended energy conservation standards and to make any representations related to energy consumption, with the following exception. If the compliance date is before April 29, 2013, manufacturers may use Appendix X for any representations until April 29, 2013 of energy consumption of these products, consistent with the requirements of 42 U.S.C. 6293(c)(2).

1. *Scope*: This appendix covers the test requirements used to measure the energy performance of dehumidifiers.

2. *Definitions*:

a. *Product capacity for dehumidifiers* means a measure of the ability of a dehumidifier to remove moisture from its surrounding atmosphere, measured in pints collected per 24 hours of continuous operation.

b. *Energy factor for dehumidifiers* means a measure of energy efficiency of a dehumidifier calculated by dividing the water removed from the air by the energy consumed, measured in liters per kilowatt hour (L/kWh).

3. *Test Apparatus and General Instructions*: The test apparatus and instructions for testing dehumidifiers shall conform to the requirements specified in section 1, “Definitions,” section 2, “Qualifying Products,” and section 4, “Test Criteria,” of the EPA’s “ENERGY STAR Program Requirements for Dehumidifiers,” effective January 1, 2001 (Incorporated by reference, see § 430.22). Record measurements at the resolution of the test instrumentation. Round off calculations to the same number of significant digits as the previous step. Round the final minimum energy factor value to two decimal places as follows:

(i) A fractional number at or above the midpoint between two consecutive decimal places shall be rounded up to the higher of the two decimal places; or

(ii) A fractional number below the midpoint between two consecutive decimal places shall be rounded down to the lower of the two decimal places.

4. *Test Measurement*: Measure the energy factor for dehumidifiers, expressed in liters per kilowatt hour (L/kWh) and product capacity in pints per day (pints/day), in accordance with the test requirements specified in section 4, “Test Criteria,” of EPA’s “ENERGY STAR Program Requirements for Dehumidifiers,” effective January 1, 2001 (Incorporated by reference, see § 430.22).

[71 FR 71366, Dec. 8, 2006, as amended at 77 FR 65995, Oct. 31, 2012]

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1. SCOPE

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